

REMARKS

This SECOND AMENDMENT presumes that the FIRST AMENDMENT changes are entered and changes made by this SECOND AMENDMENT are made to a version of the specification that has changes from the FIRST AMENDMENT entered.

Claim 1 is amended to substitute the element “pulse-width modulator and driver circuit” for the “the switching means”. No antecedent basis existed for “switching means” The first and second “on-time” of the first and second switch is the interval during which the respective switches are in the “conduction mode”. The on-time is dependent on the drive A and Drive B outputs from the “pulse-width modulator and driver circuit 42 (Figure 2 and 4) which controls the “on time”. The first and second switch are recited in the original claim along with a pulse-width modulator and driver circuit. Block 42 on Figure 1 shows the pulse-width modulator and driver circuit. The phrase “switching means” was intended to represent the first and second switches but they have been characterized in the claim earlier as the “first and second switch”. When it was observed that there was no antecedent basis for the term “switching means” in the paragraph reciting “a control circuit”, it also was noted that the output of the control circuit modulated the on-time of the pulse-width modulator and driver circuit which in turn controlled the on time of the first and second switches. The pulse-width modulator and driver circuit

“driving the first and second switch into conduction for
each first and second on-time”

appears earlier in the claim.

Claim 3 is amended to make the change “second [[primary]] switch because there is no antecedent basis for a primary switch.

Claim 4 is changed for the same reason as claim 1 and to make the claim more definite. In the first instance, Claim 5 deletes “switching means” and substitutes therefore --- switches--- because there is no antecedent basis for switching means but there is for the first and second switch. In the second through fourth instance, “switching means” is

deleted and --- pulse-width modulator and driver circuit --- is substituted therefore to make the claim more definite.

Claim 7 is amended to substitute --- switches --- for “switching means” to make the claim more definite.

Claim 8 is amended in the same way and for the same reason as claim 1.

Claim 10 is amended to substitute --- switches --- for “switching means” to make the claim more definite.

Claims 12 and 17 are amended to change the spelling of “taped” to the correct --- tapped ---.

Claim 15 is changed replace each on-time with “first and second on-time” to be more definite. “terminating the switching means” Becomes --- terminating the first and second on-time --- because “terminating the switching means” appears to be indefinite.

Claim 16 is amended to correct an error. The filtered control voltage is coupled to the pulse-width modulator and driver circuit and not to the switching means.

In the Specification:

Changes made to the specification by this SECOND AMENDMENT are minor editorial changes and do not add new matter.

No mention of Figure 12 was found in the first amendment or in the specification and the omission prompted the addition of two paragraphs explaining the circuit of Figure 12.

New matter is not added.

Applicant is submitting this SECOND AMENDMENT under 37 CFR 312 with payment of the Issue Fee.

A Substitute Application is submitted along with a marked up Application in conformance with 37 CFR 1.125. No new matter is added.

A new set of updated drawings is provided. Reference numbers are added to some of the sheets and sheet numbers are added to link connections between the drawing sheets on a number of sheets. A redlined set of drawing sheets are provided. Some reference numbers are added and some are moved to avoid crowding. Extraneous matter was removed from at least one sheet. No new matter is added to the drawings.

The ABSTRACT is amended and a clean substitute ABSTRACT is submitted herewith on a separate sheet. The marked up version appears above in this SECOND AMENDMENT with all changes from the FIRST AMENDMENT entered.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16 -1.17, or credit any overpayment, to Deposit Account No. 500656. Should the payment enclosed herewith, by a check be in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 500656. If any extensions of time are needed for timely acceptance of papers submitted herewith, applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 500656.

Respectfully Submitted,


James F. Kirk

Registration No. 29,398

CUSTOMER NO. 27225

Phone Office: (714) 840-1403

Fax (714) 840-1403

Address all correspondence to:

Office: (714) 840-1403

James F. Kirk

16365 Maruffa Circle,

Huntington Beach, CA 92649-2134